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- (71) Applicant (*for all designated States except US*):  
**MALLINCKRODT INC. [US/US]; 675 McDonnell Boulevard, P.O. Box 5840, St. Louis, MO 63134 (US).**
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **KRUIJER, Petrus, Simon [NL/NL]; Van Lijndenlaan 20, NL-1412 EK Naarden (NL). KNIGHT, Hector, Humberto [NL/NL]; Kanaalkade 3, NL-1811 LP Alkmaar (NL).**
- (74) Agents: **CHEATHAM, Tim, A. et al.; Mallinckrodt Inc., 675 McDonnell Boulevard, P.O. Box 5840, St. Louis, MO 63134 (US).**
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(54) Title: METHOD FOR OBTAINING A 2-18F-FLUOR-2-DEOXY-D-GLUCOSE (18F-FDG) - SOLUTION

(57) Abstract: The invention relates to a method for improving one or more physical/chemical characteristics, like reduced radiolysis of and the ability to autoclave, a 18F-fluor-deoxy-glucose (18F-FDG)-solution, which method comprises the steps of a) provision of a 18F-fluor-deoxy-glucose (18F-FDG)-solution, and b) addition of at least one buffer based on a weak acid to the 18F-fluor-deoxy-glucose (18F-FDG)-solution. The invention also relates to a method for preparing a sterile 18F-fluor-deoxy-glucose (18F-FDG)-solution by autoclaving said 18F-fluor-deoxy-glucose (FDG)-solution.